

2018 Soybean Top 30 Performance Summary for Red River Valley North [RRNO]



All-Season Test

Maturity Group 00.7 - 0.4

Top 30 of 54

S2018RRNO

For Gross Income (Sorted by Yield), (5) Replication Average

| Company/Brand | Product/Brand† | Technol.† | Mat. | SCN Resist. | Yield Bu/A | Protein % | Oil % | Moisture % | Lodging % | Gross Income \$/Acre | Rank | Ardoch | Cavalier‡ | Karlstad | Warren |
|----------------|----------------|-----------|------|-------------|------------|-----------|-------|------------|-----------|----------------------|------|--------|-----------|----------|--------|
| Golden Harvest | GH0391 | RR2Y | 0.3 | MR | 43.0 | | | 13.1 | 0 | \$291 | 1 | 30.5 | 43.2 | 22.6 | 42.8 |
| Dairyland | DSR-0225/R2Y | RR2Y | 0.2 | S | 41.8 | | | 12.7 | 1 | \$283 | 2 | 31.8 | 38.7 | 23.9 | 44.9 |
| Hefty | H04X8 | RRX | 0.4 | MR | 41.6 | | | 12.7 | 0 | \$282 | 3 | 29.6 | 43.0 | 21.2 | 40.2 |
| Legacy Seeds | LS-0135RR2 § | RR2Y | 00.9 | S | 40.6 | | | 12.7 | 3 | \$275 | 4 | 30.5 | 36.9 | 23.0 | 44.2 |
| Dyna-Gro | S03XT29 | RRX | 0.3 | R | 39.2 | | | 12.8 | 0 | \$266 | 5 | 34.2 | 33.8 | 23.8 | 44.5 |
| Prairie Brand | PB-00928R2 | RR2Y | 00.9 | S | 39.1 | | | 12.4 | 0 | \$265 | 6 | | 39.6 | | 38.6 |
| NK Brand | S03-G9 § | RR2Y | 0.3 | MR | 39.0 | | | 13.1 | 0 | \$264 | 7 | | 37.5 | | 40.5 |
| Mustang | 02356 | RR2Y | 0.2 | S | 39.0 | | | 12.8 | 2 | \$264 | 8 | | 36.2 | | 41.7 |
| Asgrow | AG00937 § | RR2Y | 00.9 | S | 38.8 | | | 12.2 | 0 | \$263 | 9 | | 36.3 | | 41.2 |
| Mycogen | 5B033R2 § | RR2Y,ST | 0.3 | S | 38.7 | | | 12.8 | 0 | \$262 | 10 | | 34.6 | | 42.8 |
| NK Brand | S03-S6X § | RRX | 0.3 | S | 38.5 | | | 13.0 | 1 | \$261 | 11 | | 34.2 | | 42.7 |
| Dairyland | DSR-0240/R2Y | RR2Y | 0.2 | S | 38.0 | | | 12.9 | 0 | \$258 | 12 | | 36.3 | | 39.7 |
| Asgrow | AG02X8 § | RRX | 0.2 | S | 38.0 | | | 12.7 | 1 | \$258 | 13 | | 36.3 | | 39.7 |
| Legacy Seeds | LS-0337NRR2X § | RRX | 0.3 | R | 37.8 | | | 12.7 | 0 | \$256 | 14 | | 33.7 | | 41.9 |
| Dahlman | 5601RR2Y | RR2Y | 0.1 | S | 37.7 | | | 12.9 | 0 | \$256 | 15 | | 30.8 | | 44.6 |
| Hefty | H02X7 | RRX | 0.2 | S | 37.7 | | | 12.9 | 0 | \$256 | 16 | | 36.0 | | 39.4 |
| Thunder | 36008R2YN | RR2Y | 00.8 | R | 37.7 | | | 12.9 | 0 | \$256 | 17 | | 33.9 | | 41.4 |
| Dyna-Gro | S009XT68 | RRX | 00.9 | S | 37.7 | | | 12.9 | 1 | \$256 | 18 | | 36.3 | | 39.0 |
| Dyna-Gro | S04XT77 | RRX | 0.4 | R | 37.6 | | | 12.6 | 0 | \$255 | 19 | | 35.2 | | 39.9 |
| Hefty | H02X9 | RRX | 0.2 | MR | 37.6 | | | 12.7 | 1 | \$255 | 20 | | 36.6 | | 38.6 |
| Asgrow | AG03X7 § | RRX | 0.3 | R | 37.5 | | | 12.3 | 0 | \$254 | 21 | | 33.7 | | 41.2 |
| Mustang | 02X388 | RRX | 0.2 | S | 37.3 | | | 12.9 | 1 | \$253 | 22 | | 34.8 | | 39.8 |
| Hefty | H03X8 | RRX | 0.3 | MR | 37.1 | | | 13.4 | 1 | \$251 | 23 | | 33.2 | | 41.0 |
| Thunder | ASTRO | RR2Y | 00.8 | S | 37.0 | | | 12.8 | 0 | \$251 | 24 | | 35.2 | | 38.7 |
| Legacy Seeds | LS-0438RR2X § | RRX | 0.4 | S | 37.0 | | | 12.8 | 0 | \$251 | 25 | | 30.2 | | 43.8 |
| Thunder | 3503R2Y | RR2Y | 0.3 | S | 36.9 | | | 12.9 | 0 | \$250 | 26 | | 31.0 | | 42.8 |
| Latham | L0485R2 | RR2Y | 0.4 | R | 36.9 | | | 12.9 | 0 | \$250 | 27 | | 34.2 | | 39.5 |
| Golden Harvest | GH0145X | RRX | 0.1 | S | 36.9 | | | 13.0 | 1 | \$250 | 28 | | 37.5 | | 36.2 |
| REA | RX0327 | RRX | 0.3 | R | 36.8 | | | 12.7 | 0 | \$250 | 29 | | 31.9 | | 41.6 |
| Thunder | SB87009 | RRX | 00.9 | S | 36.8 | | | 12.8 | 0 | \$250 | 30 | | 37.3 | | 36.3 |

Results available by early-December
Visit www.firstseedtests.com to obtain a revised report

Data Rejected - Not in Summary

Data Rejected - Not in Summary

| | | | | | | | | |
|--------------|------|------|---|-------|------|------|------|------|
| Averages = | 37.0 | 12.8 | 0 | \$251 | 32.3 | 34.3 | 23.2 | 39.6 |
| LSD (0.10) = | 6.4 | 1.6 | 1 | | 3.7 | 3.6 | 4.8 | 3.5 |
| LSD (0.25) = | 3.3 | 0.8 | 0 | | 1.9 | 1.9 | 2.5 | 1.8 |

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Previous years average yield for region, 41.3 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$6.78 GMO; \$6.78 non-GMO

† See last page for additional information. Dark shaded row identifies the check product found in early- and full-season tests. **Bold** results are significantly above test average by LSD (0.10). **ns** = not significantly different; ‡ = 2 reps.

Additional reports available at www.firstseedtests.com.

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Report Date: 10/24/2018

Revised:

2018 Soybean - Red River Valley North [RRNO]



All-Season Test Products (54 Total)

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt. |
|----------------|------------------|----------|------|-----|-----------|
| Asgrow | AG00937 § | RR2Y | 00.9 | S | AC,PV |
| Asgrow | AG02X8 § | RRX | 0.2 | S | AC,PV |
| Asgrow | AG03X7 § | RRX | 0.3 | R | AC,PV |
| Dahlman | 5601RR2Y | RR2Y | 0.1 | S | None |
| Dahlman | 6703XN | RRX | 0.3 | R | None |
| Dahlman | 6903XN | RRX | 0.3 | R | None |
| Dairyland | DSR-0225/R2Y | RR2Y | 0.2 | S | CMB |
| Dairyland | DSR-0240/R2Y | RR2Y | 0.2 | S | CMB |
| Dairyland | DSR-0418/R2Y | RR2Y | 0.4 | MR | CMB |
| Dairyland | DSR-C999/R2Y | RR2Y | 00.9 | S | CMB |
| Dyna-Gro | S009XT68 | RRX | 00.9 | S | EQV |
| Dyna-Gro | S03XT29 | RRX | 0.3 | R | EQV |
| Dyna-Gro | S04XT77 | RRX | 0.4 | R | EQV |
| Golden Harvest | GH00866 | RR2Y | 00.8 | S | CCB,Me |
| Golden Harvest | GH0145X | RRX | 0.1 | S | CCB,Me |
| Golden Harvest | GH0339X | RRX | 0.3 | S | CCB,Me |
| Golden Harvest | GH0391 | RR2Y | 0.3 | MR | CCB,Me |
| Hefty | H008X8 | RRX | 00.8 | MR | DST |
| Hefty | H009X7 | RRX | 00.9 | S | DST |
| Hefty | H02X7 | RRX | 0.2 | S | None |
| Hefty | H02X9 | RRX | 0.2 | MR | DST |
| Hefty | H03X8 | RRX | 0.3 | MR | DST |
| Hefty | H04X8 | RRX | 0.4 | MR | DST |
| Latham | L00828R2X | RRX | 00.8 | R | SS+ |
| Latham | L0124R2X | RRX | 0.1 | S | SS+ |
| Latham | L0282R2X | RRX | 0.2 | R | SS+ |
| Latham | L0485R2 | RR2Y | 0.4 | R | SS+ |
| Legacy Seeds | LS-00737NRR2X GC | RRX | 00.7 | R | ? |
| Legacy Seeds | LS-0135RR2 § | RR2Y | 00.9 | S | ? |
| Legacy Seeds | LS-0237RR2X § | RRX | 0.2 | S | ? |
| Legacy Seeds | LS-0337NRR2X § | RRX | 0.3 | R | ? |
| Legacy Seeds | LS-0438RR2X § | RRX | 0.4 | S | ? |
| Mustang | 00726 | RR2Y | 00.7 | R | None |
| Mustang | 02356 | RR2Y | 0.2 | S | F,I |
| Mustang | 02X388 | RRX | 0.2 | S | F,I |
| Mustang | 03x329 | RRX | 0.3 | R | F,I |
| Mustang | 04X728 | RRX | 0.4 | R | F,I |
| Mycogen | 5B024R2 § | RR2Y | 0.2 | S | CCB |
| Mycogen | 5B033R2 § | RR2Y,ST | 0.3 | S | CCB |
| NK Brand | S01-C4X § | RRX | 0.1 | S | AVBV |
| NK Brand | S03-G9 § | RR2Y | 0.3 | MR | CCB,Me |
| NK Brand | S03-S6X § | RRX | 0.3 | S | CCB,Me |

| Company/Brand | Product/Brand | Technol. | Mat. | SCN | Seed Trt. |
|---------------|---------------|----------|------|-----|-----------|
| Prairie Brand | PB-00928R2 | RR2Y | 00.9 | S | CMB |
| Proseed | XT60-40N | RRX | 0.4 | R | CMB |
| REA | RX00749 | RRX | 00.7 | R | AC,PV |
| REA | RX0228 | RRX | 0.2 | R | AC,PV |
| REA | RX0327 | RRX | 0.3 | R | AC,PV |
| Thunder | 3503R2Y | RR2Y | 0.3 | S | Ret |
| Thunder | 36008R2YN | RR2Y | 00.8 | R | Ret |
| Thunder | 3601R2Y | RR2Y | 0.1 | S | Ret |
| Thunder | ASTRO | RR2Y | 00.8 | S | Ret |
| Thunder | SB87009 | RRX | 00.9 | S | Ret |
| Thunder | SB88007N | RRX | 00.7 | R | Ret |
| Thunder | SB8903N | RRX | 0.3 | R | Ret |
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Footnotes and Abbreviation Descriptions

Brand Footnotes

| | |
|----|---|
| ^ | Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. |
| CK | Identifies a check product included in early- and full-season tests. |
| GC | Grower Comparison product included by FIRST when space permits. |
| § | United Soybean Board sponsored entry |

Soybean Technologies

| | |
|------|---------------------------------|
| G27 | GT27™ |
| LL | LibertyLink® |
| None | Conventional, non-GMO |
| RR | Glyphosate tolerant |
| RR2Y | Genuity® Roundup Ready 2 Yield® |
| RRX | Roundup Ready 2 Xtend® |
| ST | Sulfonylurea herbicide tolerant |

Soybean Cyst Nematode (SCN) Resistance Rating

| | |
|-----|---------------------|
| S | susceptible |
| MR | moderate resistance |
| R | resistant |
| n/a | info unavailable |

Soybean Seed Treatments*

| | | | | | |
|-------|---|------|-----------------------|-----|----------------------------------|
| ? | Information not provided | EE | Evergol™ Energy | PG+ | Profit Guard +™ |
| A2020 | Alert 2020™ | EL | Elevate™ F+I | PS | MAS Pro-Shield |
| AC | Acceleron® fungicide products | EL+ | Elevate™ Plus | PV | Poncho®/Votivo® |
| ACi | Acceleron® fungicide and insecticide products | En | Encase® | R | Redigo™ |
| AM | ApronMaxx® | EQV | Equity® VIP | Ret | Revize® SB+T |
| ASfi | AgriShield® F+I | Es | Escalate™ | Ri | Rizolex™ |
| AVB | Avicta® Complete Beans | F | fungicide | SF | Stine XP F |
| AVBV | Avicta® Complete Beans with Vibrance | G | Gaucho® | SFI | Stine XP fungicide & insecticide |
| BB | Buckeye Boost ST | Gr+ | Great Start™ Max Plus | SS | Soyshield™ |
| CCB | Clariva™ Complete Beans | I | insecticide | SS+ | Soyshield Plus™ |
| Cl | Clariva™ pn | IL | ILeVO® | TE | Trius Elite™ |
| CMB | CruiserMaxx® Beans | In | Intego™ Solo | TT | Turbo Treat™ |
| CMBV | CruiserMaxx® Beans with Vibrance | IS | Intego™ Suite | W | Warden® CX |
| DPHB | DPH Boost® | Lu | Lumisena™ | Wr | Warden® RTA |
| DST | Dominance™ ST | Me | Mertect® | YPP | YP Pro™ |
| DX | Defend™ Extra | None | untreated | | |
| EcTC | Eclipse™ US Total coverage | Pd | proTect D™ | | |

* Seed treatments may include unspecified plant health promoting components.